



**PATENT**  
Attorney Docket No. **UCSD-04726**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: James A. Spudich *et al.*

Serial No.: 09/486,480

Group No.: 1645

Filed: 02/28/00

Examiner: S.J.N. Devi

Entitled: **Reversible Immobilization of Arginine-Tagged  
Moieties On A Silicate Surface**

**RECEIVED**

OCT 23 2003

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

**TECH CENTER 1600/2900**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)(1)(i)(A)**

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Dated: October 15, 2003

By

  
Cliff Cannon-Cin

Sir or Madam:

The citations listed below may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

The citations listed in the accompanying form PTO-1449 as numbers 1-2, 16, and 18-20 are **NOT** provided as they were cited by the Office in an Office Action mailed 12/13/02 in the instant application.

- U.S. Patent No. 6,319,668 issued 11/20/01 to Nova *et al.*;
- U.S. Patent No. 5,405,766 issued 4/11/95 to Kallury *et al.*;
- GB 2,306,484 issued 5/7/97 to Kaye *et al.*;
- Hirabayashi *et al.* (1990) "Specific Isolation by Anhydrotrypsin-Agarose Chromatography of a Recombinant Protein Tagged with an Affinity Tail Arginine at the C-Terminus," J. Mol. Recog. 3:204-207;

- Müller *et al.* (1995) "Imaging Purple Membranes in Aqueous Solutions at Sub-Nanometer Resolution by Atomic Force Microscopy," Biophys. J. 68:1681-1686; and
- Sassenfeld *et al.* (1984) "A Polypeptide Fusion Designed for the Purification of Recombinant Proteins," Biotech. 2:76-81.

The citations listed in the accompanying form PTO-1449 as numbers 3-15, 17, and 21 are **NOT** provided as they were cited by the Office in an Office Action mailed 7/15/03 in the instant application.

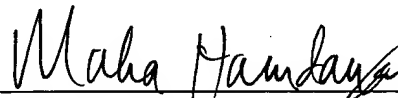
- U.S. Patent No. 4,629,713 issued 12/16/86 to Suzuki *et al.*;
- U.S. Patent No. 5,874,668 issued 2/23/99 to Xu *et al.*;
- U.S. Patent No. 5,993,769 issued 11/30/99 to Pinnavaia *et al.*;
- U.S. Patent No. 4,338,094 issued 7/6/82 to Elahi;
- U.S. Patent No. 5,230,998 issued 7/27/93 to Neurath *et al.*;
- U.S. Patent No. 5,561,045 issued 10/1/96 to Dorval *et al.*;
- U.S. Patent No. 6,379,903 issued 4/30/02 to Brizzard *et al.*;
- U.S. Patent No. 4,029,756 issued 6/14/77 to Gaafar;
- U.S. Patent No. 4,614,714 issued 9/30/86 to Kusakabe *et al.*;
- U.S. Patent No. 5,177,005 issued 1/5/93 to Lloyd *et al.*;
- U.S. Patent No. 6,468,759 issued 10/22/02 to Charych;
- U.S. Patent No. 4,880,911 issued 11/14/89 to Brewer *et al.*;
- U.S. Patent No. 6,107,060 issued 8/22/00 to Keeling *et al.*
- JP 356152741A published 11/26/81, Sugimori *et al.*; and
- Könnecke *et al.* (1982) "Model Studies on the Utility of Nucleophiles Bound to Insoluble Supports for Enzymatic Peptide Synthesis," Monatsh. Chem. 113:331-337.

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This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Signed on behalf of:

Dated: October 15, 2003



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FORM PTO-1449  
(Modified) **DEC 20 2003**  
**U.S. DEPARTMENT OF COMMERCE**  
**PATENT & TRADEMARK OFFICE**  
(37 CFR § 1.98(b))

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: UCSD-04726

Serial No.: 09/486,480

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
(Use Several Sheets If Necessary)

Applicant: James A. Spudich *et al.*

Filing Date: 10/25/00

Group Art Unit: 1645

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	1	6,319,668	11/20/01	Nova <i>et al.</i>			
	2	5,405,766	4/11/95	Kallury <i>et al.</i>			
	3	4,629,713	12/16/86	Suzuki <i>et al.</i>			
	4	5,874,668	2/23/99	Xu <i>et al.</i>			
	5	5,993,769	11/30/99	Pinnavaia <i>et al.</i>			
	6	4,338,094	7/6/82	Elahi;			
	7	5,230,998	7/27/93	Neurath <i>et al.</i>			
	8	5,561,045	10/1/96	Dorval <i>et al.</i>			
	9	6,379,903	4/30/02	Brizzard <i>et al.</i>			
	10	4,029,756	6/14/77	Gaafar			
	11	4,614,714	9/30/86	Kusakabe <i>et al.</i>			
	12	5,177,005	1/5/93	Lloyd <i>et al.</i>			
	13	6,468,759	10/22/02	Charych			
	14	4,880,911	11/14/89	Brewer <i>et al.</i>			
	15	6,107,060	8/22/00	Keeling <i>et al.</i>			

**FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS**

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	16	GB 2,306,484	5/17/97	GB				
	17	JP 356152741A	11/26/81	JP				

**OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)**

	18	Hirabayashi <i>et al.</i> (1990) "Specific Isolation by Anhydrotrypsin-Agarose Chromatography of a Recombinant Protein Tagged with an Affinity Tail Arginine at the C-Terminus," J. Mol. Recog. 3:204-207
	19	Müller <i>et al.</i> (1995) "Imaging Purple Membranes in Aqueous Solutions at Sub-Nanometer Resolution by Atomic Force Microscopy," Biophys. J. 68:1681-1686
	20	Sassenfeld <i>et al.</i> (1984) "A Polypeptide Fusion Designed for the Purification of Recombinant Proteins," Biotech. 2:76-81
	21	Könnecke <i>et al.</i> (1982) "Model Studies on the Utility of Nucleophiles Bound to Insoluble Supports for Enzymatic Peptide Synthesis," Monatsh. Chem. 113:331-337

Examiner:

Date Considered:

**EXAMINER:** Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.